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FUNGISTATIC, PHARMACODYNAMIC AND THERA-  
PEUTIC ACTIVITY OF 3,5-DICHLORO-4'-FLUORO-  
THIOCARBANILIDE (Activité Fongistatique,  
Pharmacodynamique et Thérapeutique du 3:5-Dichloro-  
4'-Fluorothiocarbanilide). [May 63] 15p 15refs  
Order from SLA \$1.60 TT-63-18800

Trans. of Biochemical Pharmacology (France) 1962,  
v. 11, p. 813-822. (Abstract available)

DESCRIPTORS: \*Fungicides, \*Skin, Therapy, Yeasts,  
Guinea pigs, Chlorides, Fluorides, Thio radicals,  
Phenyl radicals, Urea derivatives.

The fungistatic action of 3:5-dichloro-4'-fluorothio-  
carbanilide was studied in vitro and in vivo. In vitro,  
dermatophytes are inhibited by a dilution from  
1: 100,000 to 1: 1,000,000. The yeasts Candida  
albicans, C. tropicalis and Cryptococcus neoformans as  
(Biological Sciences--Pharmacology, TT, v. 11, no. 4)  
(over)

TT-63-18800

- I. Title: 3,5-Dichloro-4'-  
fluorothiocarbanilide
- I. Vanbreuseghem, R.
- II. Buu-Hoi, N. P.

Office of Technical Services

well as *Aspergillus fumigatus* are almost insensitive. The sensitivity of *Phialophora pedrosoi* is similar to that of the dermatophytes whereas the histoplasmas, *H. capsulatum* and *H. Bubo*, are inhibited up to a dilution of 1: 1,000,000. 3,5-dichloro-4'-fluorothiocarbanilide reduces the duration of the experimental infection of guinea pigs by *Microsporum canis* to 22-25 days whereas in untreated guinea pigs infected in the same manner, the infection persists for about 2 months. Comparative trials were conducted with griseofulvin and 2-dimethylamino-6-beta-diethyl-aminoethoxy-benzothiazole. The toxicity of the product is very low for white mice and rats. In addition to its fungistatic capacity, 3,5-dichloro-4'-fluorothiocarbanilide exerts an antiinflammatory and anticongestive action on the skin of guinea pigs and man. Some attempts at treating human dermatophytoses of the skin yielded satisfactory results. (Author)

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Title: Investigations for the Cause of the Itai-Itai Disease

Author: J. Kobayask

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Source:XXXX Biogeochemistry of Cadmium. Kagaku (Science)  
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DESCRIPTORS: Sensitivity, Plants, Water privation,  
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Author: Nakazawa, T., Hekijima, M. and Inomata, T.

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Language: Japanese

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DESCRIPTORS: \*Groups (Mathematics), Algebraic  
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